

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (original): Machine for the chip-forming machining of gears and screw-type workpieces, comprising:

- a. a work spindle for the accommodation of a gear or screw-type workpiece to be ground, the said spindle being located for rotation about a first axis on a first slide,
- b. a machine bed bearing the first slide, the first slide being displaceable parallel to the first axis, and
- c. a swivel head located for rotation about a second axis,

wherein on the end front face of the swivel head directed towards the work spindle at least two, preferably four functional units are arranged, which are equipped with machining tools or measuring tools,

whereby displacement relative to the swivel head and by swivelling of the swivel head at least two of the functional units can be brought as required into active connection with the gear or screw-type workpiece to be machined.

2 (currently amended): Machine according to claim 1, wherein the swivel head is swivellable through at least $\pm 90^\circ$, ~~preferably up to 360° .~~

3 (original): Machine according to claim 1 or 2, wherein the second axis is at right angles to the first axis.

4 (currently amended): Machine according to ~~any of the claims 1 to 3~~ claim 1, wherein the functional units are arranged radially displaceable relative to the swivel head.

5 (currently amended): Machine according to ~~any of the claims 1 to 4~~ claim 1, wherein at least one of the functional units is displaceable parallel to the swivel axis of the swivel head.

6 (original): Machine according to claim 5, wherein the functional units displaceable parallel to the swivel axis are arranged on infeed slides, which are arranged inside the swivel head.

7 (currently amended): Machine according to ~~any of the claims 1 to 6~~ claim 1, wherein every functional unit is equipped with a machining tool for the grinding, milling, honing, shaving, dressing or other chip-forming machining of a workpiece, or a measuring tool for the measurement of the workpiece geometry of gears and/or screw-type workpieces.

8 (currently amended): Machine according to ~~any of the claims 1 to 7~~ claim 6, wherein a power and coolant/lubricant supply to the functional units as well as a signal exchange between the functional units and a machine control system are taken from the back of the swivel head directed away from the work spindle, and lead through the said swivel head.

9 (currently amended): Machine according to ~~the claims 6 and 8~~ claim 8, wherein the supply and the signal exchange are lead through the allocated infeed slide.

10 (currently amended): Machine according to ~~any of the claims 1 to 9~~ claim 1, wherein the work spindle can be driven by electric motor either directly or via a speed reducing gear unit.

11 (new): Machine according to claim 2, wherein the functional units are arranged radially displaceable relative to the swivel head.

12 (new): Machine according to claim 11, wherein at least one of the functional units is displaceable parallel to the swivel axis of the swivel head.

13 (new): Machine according to claim 12, wherein the functional units displaceable parallel to the swivel axis

are arranged on infeed slides, which are arranged inside the swivel head.

14 (new): Machine according to claim 13, wherein every functional unit is equipped with a machining tool for the grinding, milling, honing, shaving, dressing or other chip-forming machining of a workpiece, or a measuring tool for the measurement of the workpiece geometry of gears and/or screw-type workpieces.

15 (new): Machine according to claim 14, wherein a power and coolant/lubricant supply to the functional units as well as a signal exchange between the functional units and a machine control system are taken from the back of the swivel head directed away from the work spindle, and lead through the said swivel head.

16 (new): Machine according to claim 15, wherein the work spindle can be driven by electric motor either directly or via a speed reducing gear unit.

17 (new): Machine according to claim 1, wherein a power and coolant/lubricant supply to the functional units as well as a signal exchange between the functional units and a machine control system are taken from the back of the swivel

In re of Appln. No. 10/619,486

head directed away from the work spindle, and lead through the said swivel head.

18 (new): Machine according to claim 3, wherein at least one of the functional units is displaceable parallel to the swivel axis of the swivel head.

REMARKS

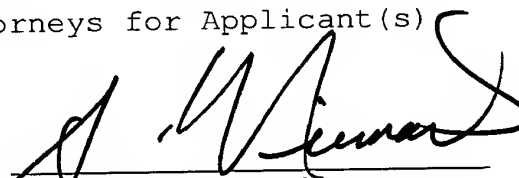
The above claim amendments are made to eliminate improper multi-dependencies under U.S. practice, so as to place the claims in form consistent with 37 CFR 1.75(c) so that all of applicant's claims will be examined on the merits. The amendments are not "narrowing" amendments. The scope of the claims has not been reduced. No limitations have been added and none are intended.

Applicant respectfully awaits the results of a first examination on the merits.

Respectfully submitted,

BROWDY AND NEIMARK, P.L.L.C.
Attorneys for Applicant(s)

By


Sheridan Neimark
Registration No. 20,520

SN:jaa
Telephone No.: (202) 628-5197
Facsimile No.: (202) 737-3528
G:\BN\I\isle\Ronneberger2\pto\Amd Prelim.doc